# Chemical Properties of the Soils

* Lowndes County, Alabama

(Absence of an entry indicates that data were not estimated.)

| Map symbol and soil name | Depth | Cation exchange capacity | Effective cation exchange capacity | Soil reaction | Calcium carbonate | Gypsum | Salinity | Sodium adsorption ratio |
|---|---|---|---|---|---|---|---|---|
| | In | meq/100 g | meq/100 g | pH | Pct | Pct | mmhos/cm | |
| 2A: | | | | | | | | |
| Annemaine | 0-9 | --- | --- | 4.5-6.5 | --- | --- | 0 | --- |
| | 9-16 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 16-37 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 37-49 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 49-90 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| 2B: | | | | | | | | |
| Annemaine | 0-9 | --- | --- | 4.5-6.5 | --- | --- | 0 | --- |
| | 9-16 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 16-37 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 37-49 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 49-90 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| 7B: | | | | | | | | |
| Brantley | 0-6 | 5.0-15 | --- | 4.5-6.5 | 0 | 0 | 0 | 0 |
| | 6-35 | --- | 10-35 | 4.5-6.0 | 0 | 0 | 0 | 0 |
| | 35-52 | --- | 10-35 | 4.5-5.5 | 0 | 0 | 0 | 0 |
| | 52-72 | --- | 5.0-25 | 4.5-5.5 | 0 | 0 | 0 | 0 |
| 7D: | | | | | | | | |
| Brantley | 0-6 | 5.0-15 | --- | 4.5-6.5 | 0 | 0 | 0 | 0 |
| | 6-35 | --- | 10-35 | 4.5-6.0 | 0 | 0 | 0 | 0 |
| | 35-52 | --- | 10-35 | 4.5-5.5 | 0 | 0 | 0 | 0 |
| | 52-72 | --- | 5.0-25 | 4.5-5.5 | 0 | 0 | 0 | 0 |
| 9A: | | | | | | | | |
| Izagora | 0-11 | --- | --- | 3.6-6.0 | --- | --- | 0 | --- |
| | 11-46 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| | 46-91 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| 10: | | | | | | | | |
| Riverview | 0-6 | 3.0-12 | --- | 4.5-6.5 | 0 | 0 | 0 | 0 |
| | 6-39 | --- | 4.0-10 | 4.5-6.0 | 0 | 0 | 0 | 0 |
| | 39-70 | --- | 2.0-6.0 | 4.5-6.0 | 0 | 0 | 0 | 0 |
| 11: | | | | | | | | |
| Mantachie | 0-11 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 11-61 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| Bibb | 0-12 | --- | 4.0-7.0 | 3.6-5.5 | 0 | 0 | 0 | 0 |
| | 12-60 | --- | 4.0-10 | 3.6-5.5 | 0 | 0 | 0 | 0 |
| Iuka | 0-13 | --- | --- | 5.1-6.0 | --- | --- | 0 | --- |
| | 13-22 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 22-60 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| 12: | | | | | | | | |
| Houlka | 0-8 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 8-60 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| 15: | | | | | | | | |
| Una | 0-6 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 6-60 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |

# Chemical Properties of the Soils (cont.)

* Lowndes County, Alabama

| Map symbol and soil name | Depth | Cation exchange capacity | Effective cation exchange capacity | Soil reaction | Calcium carbonate | Gypsum | Salinity | Sodium adsorption ratio |
|---|---|---|---|---|---|---|---|---|
| | In | meq/100 g | meq/100 g | pH | Pct | Pct | mmhos/cm | |
| 16: | | | | | | | | |
| Pits | 0-60 | --- | --- | --- | --- | --- | 0 | --- |
| 17B: | | | | | | | | |
| Troup | 0-53 | --- | --- | 4.5-6.0 | --- | --- | 0 | --- |
| | 53-80 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| 17C: | | | | | | | | |
| Troup | 0-53 | --- | --- | 4.5-6.0 | --- | --- | 0 | --- |
| | 53-80 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| 18E: | | | | | | | | |
| Luverne | 0-7 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| | 7-30 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| | 30-40 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| | 40-80 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| Saffell | 0-8 | --- | 5.0-15 | 4.5-5.5 | 0 | 0 | 0 | 0 |
| | 8-14 | --- | 5.0-20 | 4.5-5.5 | 0 | 0 | 0 | 0 |
| | 14-47 | --- | 10-20 | 4.5-5.5 | 0 | 0 | 0 | 0 |
| | 47-72 | --- | 5.0-15 | 4.5-5.5 | 0 | 0 | 0 | 0 |
| 21A: | | | | | | | | |
| Bassfield | 0-7 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 7-42 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 42-80 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| 24A: | | | | | | | | |
| Heidel | 0-11 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 11-46 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 46-80 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| 24B: | | | | | | | | |
| Heidel | 0-11 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 11-46 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 46-80 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| 28: | | | | | | | | |
| Bigbee | 0-17 | --- | --- | 4.5-6.0 | --- | --- | 0 | --- |
| | 17-80 | --- | --- | 4.5-6.0 | --- | --- | 0 | --- |
| 29: | | | | | | | | |
| Urbo | 0-9 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 9-71 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| 30A: | | | | | | | | |
| Lucedale | 0-8 | --- | --- | 5.1-6.5 | --- | --- | 0 | --- |
| | 8-60 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| 30B: | | | | | | | | |
| Lucedale | 0-8 | --- | --- | 5.1-6.5 | --- | --- | 0 | --- |
| | 8-60 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| 30C: | | | | | | | | |
| Smithdale | 0-11 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 11-38 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 38-80 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| 30D: | | | | | | | | |
| Smithdale | 0-11 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 11-38 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 38-80 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |

# Chemical Properties of the Soils (cont.)

* Lowndes County, Alabama

| Map symbol and soil name | Depth | Cation exchange capacity | Effective cation exchange capacity | Soil reaction | Calcium carbonate | Gypsum | Salinity | Sodium adsorption ratio |
|---|---|---|---|---|---|---|---|---|
| | In | meq/100 g | meq/100 g | pH | Pct | Pct | mmhos/cm | |
| 31A: | | | | | | | | |
| Bama | 0-14 | --- | --- | 4.5-6.0 | --- | --- | 0 | --- |
| | 14-41 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 41-74 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| 31B: | | | | | | | | |
| Bama | 0-14 | --- | --- | 4.5-6.0 | --- | --- | 0 | --- |
| | 14-41 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 41-74 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| 34A: | | | | | | | | |
| Minter | 0-5 | --- | --- | 4.5-5.5 | 0 | 0 | 0 | 0 |
| | 5-72 | --- | --- | 4.5-5.5 | 0 | 0 | 0 | 0 |
| 35A: | | | | | | | | |
| Cahaba | 0-9 | --- | --- | 4.5-6.0 | --- | --- | 0 | --- |
| | 9-53 | --- | --- | 4.5-6.0 | --- | --- | 0 | --- |
| | 53-80 | --- | --- | 4.5-6.0 | --- | --- | 0 | --- |
| 35B: | | | | | | | | |
| Cahaba | 0-9 | --- | --- | 4.5-6.0 | --- | --- | 0 | --- |
| | 9-53 | --- | --- | 4.5-6.0 | --- | --- | 0 | --- |
| | 53-80 | --- | --- | 4.5-6.0 | --- | --- | 0 | --- |
| 36A: | | | | | | | | |
| Mcqueen | 0-8 | --- | --- | 3.6-6.5 | --- | --- | 0 | --- |
| | 8-34 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| | 34-56 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| | 56-70 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| 36B: | | | | | | | | |
| Mcqueen | 0-8 | --- | --- | 3.6-6.5 | --- | --- | 0 | --- |
| | 8-34 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| | 34-56 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| | 56-70 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| 40B: | | | | | | | | |
| Luverne | 0-7 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| | 7-30 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| | 30-40 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| | 40-80 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| 40D: | | | | | | | | |
| Luverne | 0-7 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| | 7-30 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| | 30-40 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| | 40-80 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| 40E: | | | | | | | | |
| Luverne | 0-7 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| | 7-30 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| | 30-40 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| | 40-80 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| 41A: | | | | | | | | |
| Pheba | 0-8 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 8-21 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 21-60 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| 44A: | | | | | | | | |
| Benndale | 0-5 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 5-33 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 33-68 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 68-73 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |

# Chemical Properties of the Soils (cont.)

* Lowndes County, Alabama

| Map symbol and soil name | Depth | Cation exchange capacity | Effective cation exchange capacity | Soil reaction | Calcium carbonate | Gypsum | Salinity | Sodium adsorption ratio |
|---|---|---|---|---|---|---|---|---|
| | In | meq/100 g | meq/100 g | pH | Pct | Pct | mmhos/cm | |
| 49: | | | | | | | | |
| Marietta | 0-10 | --- | --- | 5.6-7.8 | --- | --- | 0 | --- |
| | 10-46 | --- | --- | 5.6-7.8 | --- | --- | 0 | --- |
| | 46-62 | --- | --- | 5.6-7.8 | --- | --- | 0 | --- |
| 50C: | | | | | | | | |
| Conecuh | 0-5 | --- | --- | 3.6-5.5 | 0 | 0 | 0 | 0 |
| | 5-9 | --- | --- | 3.6-5.5 | 0 | 0 | 0 | 0 |
| | 9-50 | --- | --- | 3.6-5.5 | 0 | 0 | 0 | 0 |
| | 50-63 | --- | --- | --- | 0 | 0 | --- | 0 |
| 50E: | | | | | | | | |
| Conecuh | 0-5 | --- | --- | 3.6-5.5 | 0 | 0 | 0 | 0 |
| | 5-9 | --- | --- | 3.6-5.5 | 0 | 0 | 0 | 0 |
| | 9-50 | --- | --- | 3.6-5.5 | 0 | 0 | 0 | 0 |
| | 50-63 | --- | --- | --- | 0 | 0 | --- | 0 |
| 52C: | | | | | | | | |
| Oktibbeha | 0-4 | --- | --- | 4.5-6.5 | --- | --- | 0 | --- |
| | 4-41 | --- | --- | 4.5-6.5 | --- | --- | 0 | --- |
| | 41-70 | --- | --- | 6.6-8.4 | --- | --- | 0 | --- |
| 52E: | | | | | | | | |
| Oktibbeha | 0-4 | --- | --- | 4.5-6.5 | --- | --- | 0 | --- |
| | 4-41 | --- | --- | 4.5-6.5 | --- | --- | 0 | --- |
| | 41-70 | --- | --- | 6.6-8.4 | --- | --- | 0 | --- |
| 52F: | | | | | | | | |
| Oktibbeha | 0-4 | --- | --- | 4.5-6.5 | --- | --- | 0 | --- |
| | 4-41 | --- | --- | 4.5-6.5 | --- | --- | 0 | --- |
| | 41-70 | --- | --- | 6.6-8.4 | --- | --- | 0 | --- |
| Brantley | 0-6 | --- | 5.0-25 | 4.5-5.5 | 0 | 0 | 0 | 0 |
| | 6-35 | --- | 10-35 | 4.5-6.0 | 0 | 0 | 0 | 0 |
| | 35-52 | --- | 10-35 | 4.5-5.5 | 0 | 0 | 0 | 0 |
| | 52-72 | --- | 5.0-25 | 4.5-5.5 | 0 | 0 | 0 | 0 |
| 53C: | | | | | | | | |
| Sumter | 0-10 | --- | --- | 6.6-8.4 | --- | 0 | 0 | 0 |
| | 10-21 | --- | --- | 7.4-8.4 | --- | 0 | 0 | 0 |
| | 21-28 | --- | --- | 7.4-8.4 | --- | 0 | 0 | 0 |
| | 28-60 | --- | --- | --- | --- | --- | --- | --- |
| 53F: | | | | | | | | |
| Sumter | 0-10 | --- | --- | 6.6-8.4 | --- | 0 | 0 | 0 |
| | 10-21 | --- | --- | 7.4-8.4 | --- | 0 | 0 | 0 |
| | 21-28 | --- | --- | 7.4-8.4 | --- | 0 | 0 | 0 |
| | 28-60 | --- | --- | --- | --- | --- | --- | --- |
| 54B: | | | | | | | | |
| Okolona | 0-8 | --- | --- | 6.6-8.4 | --- | --- | 0 | --- |
| | 8-65 | --- | --- | 6.6-8.4 | --- | --- | 0 | --- |
| | 65-80 | --- | --- | --- | --- | --- | 0 | --- |
| 54C: | | | | | | | | |
| Okolona | 0-8 | --- | --- | 6.6-8.4 | --- | --- | 0 | --- |
| | 8-65 | --- | --- | 6.6-8.4 | --- | --- | 0 | --- |
| | 65-80 | --- | --- | --- | --- | --- | 0 | --- |
| 56A: | | | | | | | | |
| Catalpa | 0-6 | --- | --- | 6.1-8.4 | --- | --- | 0 | --- |
| | 6-60 | --- | --- | 6.1-8.4 | --- | --- | 0 | --- |

# Chemical Properties of the Soils (cont.)

* Lowndes County, Alabama

| Map symbol and soil name | Depth | Cation exchange capacity | Effective cation exchange capacity | Soil reaction | Calcium carbonate | Gypsum | Salinity | Sodium adsorption ratio |
|---|---|---|---|---|---|---|---|---|
| | In | meq/100 g | meq/100 g | pH | Pct | Pct | mmhos/cm | |
| 56B: | | | | | | | | |
| Faunsdale | 0-2 | --- | --- | 6.6-8.4 | --- | --- | 0 | --- |
| | 2-14 | --- | --- | 6.6-8.4 | --- | --- | 0 | --- |
| | 14-36 | --- | --- | 6.6-8.4 | --- | --- | 0 | --- |
| | 36-49 | --- | --- | 6.6-8.4 | --- | --- | 0 | --- |
| | 49-65 | --- | --- | 6.6-8.4 | --- | --- | 0 | --- |
| 57C: | | | | | | | | |
| Sumter | 0-10 | --- | --- | 6.6-8.4 | --- | 0 | 0 | 0 |
| | 10-21 | --- | --- | 7.4-8.4 | --- | 0 | 0 | 0 |
| | 21-28 | --- | --- | 7.4-8.4 | --- | 0 | 0 | 0 |
| | 28-60 | --- | --- | --- | --- | --- | --- | --- |
| Oktibbeha | 0-4 | --- | --- | 4.5-6.5 | --- | --- | 0 | --- |
| | 4-41 | --- | --- | 4.5-6.5 | --- | --- | 0 | --- |
| | 41-70 | --- | --- | 6.6-8.4 | --- | --- | 0 | --- |
| 57F: | | | | | | | | |
| Sumter | 0-10 | --- | --- | 6.6-8.4 | --- | 0 | 0 | 0 |
| | 10-21 | --- | --- | 7.4-8.4 | --- | 0 | 0 | 0 |
| | 21-28 | --- | --- | 7.4-8.4 | --- | 0 | 0 | 0 |
| | 28-60 | --- | --- | --- | --- | --- | --- | --- |
| Oktibbeha | 0-4 | --- | --- | 4.5-6.5 | --- | --- | 0 | --- |
| | 4-41 | --- | --- | 4.5-6.5 | --- | --- | 0 | --- |
| | 41-70 | --- | --- | 6.6-8.4 | --- | --- | 0 | --- |
| 58A: | | | | | | | | |
| Macon | 0-9 | --- | --- | 4.5-6.0 | --- | --- | 0 | --- |
| | 9-24 | --- | --- | 4.5-6.0 | --- | --- | 0 | --- |
| | 24-75 | --- | --- | 4.5-6.0 | --- | --- | 0 | --- |
| 58B: | | | | | | | | |
| Macon | 0-9 | --- | --- | 4.5-6.0 | --- | --- | 0 | --- |
| | 9-24 | --- | --- | 4.5-6.0 | --- | --- | 0 | --- |
| | 24-75 | --- | --- | 4.5-6.0 | --- | --- | 0 | --- |
| 58C: | | | | | | | | |
| Macon | 0-9 | --- | --- | 4.5-6.0 | --- | --- | 0 | --- |
| | 9-24 | --- | --- | 4.5-6.0 | --- | --- | 0 | --- |
| | 24-75 | --- | --- | 4.5-6.0 | --- | --- | 0 | --- |
| 60F: | | | | | | | | |
| Luverne | 0-7 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| | 7-30 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| | 30-40 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| | 40-80 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| Conecuh | 0-5 | --- | --- | 3.6-5.5 | 0 | 0 | 0 | 0 |
| | 5-9 | --- | --- | 3.6-5.5 | 0 | 0 | 0 | 0 |
| | 9-50 | --- | --- | 3.6-5.5 | 0 | 0 | 0 | 0 |
| | 50-63 | --- | --- | --- | 0 | 0 | --- | 0 |
| 70B: | | | | | | | | |
| Lucy | 0-24 | --- | --- | 5.1-6.0 | --- | --- | 0 | --- |
| | 24-35 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 35-70 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| 70C: | | | | | | | | |
| Lucy | 0-24 | --- | --- | 5.1-6.0 | --- | --- | 0 | --- |
| | 24-35 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 35-70 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |

# Chemical Properties of the Soils (cont.)

* Lowndes County, Alabama

| Map symbol and soil name | Depth | Cation exchange capacity | Effective cation exchange capacity | Soil reaction | Calcium carbonate | Gypsum | Salinity | Sodium adsorption ratio |
|---|---|---|---|---|---|---|---|---|
| | In | meq/100 g | meq/100 g | pH | Pct | Pct | mmhos/cm | |
| 70D: | | | | | | | | |
| Lucy | 0-24 | --- | --- | 5.1-6.0 | --- | --- | 0 | --- |
| | 24-35 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 35-70 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| 83A: | | | | | | | | |
| Rains | 0-12 | --- | 1.0-5.0 | 3.6-6.5 | 0 | 0 | 0 | 0 |
| | 12-40 | --- | 2.0-5.0 | 3.6-5.5 | 0 | 0 | 0 | 0 |
| | 40-62 | --- | 2.0-7.0 | 3.6-5.5 | 0 | 0 | 0 | 0 |
| | 62-79 | --- | 1.0-6.0 | 3.6-5.5 | 0 | 0 | 0 | 0 |
| 99: | | | | | | | | |
| Gullied Land | 0-60 | --- | --- | --- | --- | --- | 0 | --- |
| 131A: | | | | | | | | |
| Malbis | 0-7 | --- | --- | 4.5-6.0 | --- | --- | 0 | --- |
| | 7-26 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 26-54 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 54-71 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| 131B: | | | | | | | | |
| Malbis | 0-7 | --- | --- | 4.5-6.0 | --- | --- | 0 | --- |
| | 7-26 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 26-54 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 54-71 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| 131C: | | | | | | | | |
| Malbis | 0-7 | --- | --- | 4.5-6.0 | --- | --- | 0 | --- |
| | 7-26 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 26-54 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 54-71 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| 140A: | | | | | | | | |
| Savannah | 0-11 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| | 11-28 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| | 28-68 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| 140B: | | | | | | | | |
| Savannah | 0-11 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| | 11-28 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| | 28-68 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| 152A: | | | | | | | | |
| Vaiden | 0-4 | --- | --- | 4.5-6.5 | --- | --- | 0 | --- |
| | 4-26 | --- | --- | 4.5-6.0 | --- | --- | 0 | --- |
| | 26-80 | --- | --- | 4.5-7.8 | --- | --- | 0 | --- |
| 152B: | | | | | | | | |
| Vaiden | 0-4 | --- | --- | 4.5-6.5 | --- | --- | 0 | --- |
| | 4-26 | --- | --- | 4.5-6.0 | --- | --- | 0 | --- |
| | 26-80 | --- | --- | 4.5-7.8 | --- | --- | 0 | --- |
| 155: | | | | | | | | |
| Leeper | 0-8 | --- | --- | 5.6-8.4 | --- | --- | 0 | --- |
| | 8-50 | --- | --- | 5.6-8.4 | --- | --- | 0 | --- |
| 160F: | | | | | | | | |
| Lucy | 0-24 | --- | --- | 5.1-6.0 | --- | --- | 0 | --- |
| | 24-35 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 35-70 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| Luverne | 0-7 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| | 7-30 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| | 30-40 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| | 40-80 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |

# Chemical Properties of the Soils (cont.)

* Lowndes County, Alabama

| Map symbol and soil name | Depth | Cation exchange capacity | Effective cation exchange capacity | Soil reaction | Calcium carbonate | Gypsum | Salinity | Sodium adsorption ratio |
|---|---|---|---|---|---|---|---|---|
| | In | meq/100 g | meq/100 g | pH | Pct | Pct | mmhos/cm | |
| 171A: | | | | | | | | |
| Ocilla | 0-28 | --- | 1.0-3.0 | 4.5-5.5 | 0 | 0 | 0 | 0 |
| | 28-59 | --- | 3.0-6.0 | 4.5-5.5 | 0 | 0 | 0 | 0 |
| | 59-67 | --- | 3.0-7.0 | 4.5-5.5 | 0 | 0 | 0 | 0 |
| 236A: | | | | | | | | |
| Lenoir | 0-8 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| | 8-75 | --- | --- | 3.6-5.5 | --- | --- | 0 | --- |
| 260: | | | | | | | | |
| Typic Udorthents | 0-80 | --- | 5.0-20 | 3.6-5.5 | 0 | 0 | 0 | 0 |
| 485A: | | | | | | | | |
| Mashulaville | 0-5 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 5-26 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 5-26 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| | 26-62 | --- | --- | 4.5-5.5 | --- | --- | 0 | --- |
| 520C: | | | | | | | | |
| Kipling | 0-3 | --- | --- | 3.6-6.0 | --- | --- | 0 | --- |
| | 3-62 | --- | --- | 3.6-8.4 | --- | --- | 0 | --- |
| | 62-72 | --- | --- | 5.1-8.4 | --- | --- | 0 | --- |
| 520D: | | | | | | | | |
| Kipling | 0-3 | --- | --- | 3.6-6.0 | --- | --- | 0 | --- |
| | 3-62 | --- | --- | 3.6-8.4 | --- | --- | 0 | --- |
| | 62-72 | --- | --- | 5.1-8.4 | --- | --- | 0 | --- |

FOOTNOTES: *An official soil survey project has not been conducted for Lowndes County. This table contains preliminary information.